



S/N 09/866,938

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wendell P. Noble Jr. et al.

Examiner: Jack Chen

Serial No.: 09/866,938

Group Art Unit: 2813

Filed: May 29, 2001

Docket: 303.330US3

Title: ULTRA HIGH DENSITY FLASH MEMORY

COMMUNICATION CONCERNING RELATED APPLICATION(S)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
08/889463 6072209	July 8, 1997	303.322US1	FOUR F2 FOLDED BIT LINE DRAM CELL STRUCTURE HAVING BURIED BIT AND WORD LINES
09/527981 6689660	March 17, 2000	303.322US2	FOUR F2 FOLDED BIT LINE DRAM CELL STRUCTURE HAVING BURIED BIT AND WORD LINES
09/571352 6476434	May 16, 2000	303.322US3	FOUR F2 FOLDED BIT LINE DRAM CELL STRUCTURE HAVING BURIED BIT AND WORD LINES
08/889395 6191470	July 8, 1997	303.323US1	SEMICONDUCTOR-ON-INSULATOR MEMORY CELL WITH BURIED WORD AND BODY LINES
09/510095 6465298	February 22, 2000	303.323US2	SEMICONDUCTOR-ON-INSULATOR MEMORY CELL WITH BURIED WORD AND BODY LINES
08/889462 6150687	July 8, 1997	303.328US1	MEMORY CELL HAVING A VERTICAL TRANSISTOR WITH BURIED SOURCE/DRAIN AND DUAL GATES

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 09/866,938

Filing Date: May 29, 2001

Title: ULTRA HIGH DENSITY FLASH MEMORY

Page 2

Dkt: 303.330US3

09/139164 6350635	August 24, 1998	303.328US2	MEMORY CELL HAVING A VERTICAL TRANSISTOR WITH BURIED SOURCE/DRAIN AND DUAL GATES
09/596266 6399979	June 16, 2000	303.328US3	MEMORY CELL HAVING A VERTICAL TRANSISTOR WITH BURIED SOURCE/DRAIN AND DUAL GATES
09/651199 6504201	August 30, 2000	303.328US4	MEMORY CELL HAVING A VERTICAL TRANSISTOR WITH BURIED SOURCE/DRAIN AND DUAL GATES
08/889396 5909618	July 8, 1997	303.329US1	METHOD OF MAKING MEMORY CELL WITH VERTICAL TRANSISTOR AND BURIED WORD AND BODY LINES
09/031620 6104061	February 27, 1998	303.329US2	MEMORY CELL WITH VERTICAL TRANSISTOR AND BURIED WORD AND BODY LINES
09/520649 6191448	March 7, 2000	303.329US3	MEMORY CELL WITH VERTICAL TRANSISTOR AND BURIED WORD AND BODY LINES
09/789274 6492233	February 20, 2001	303.329US4	MEMORY CELL WITH VERTICAL TRANSISTOR AND BURIED WORD AND BODY LINES
08/889554 5973356	July 8, 1997	303.330US1	ULTRA HIGH DENSITY FLASH MEMORY
09/035304 6238976	February 27, 1998	303.330US2	A METHOD FOR FORMING HIGH DENSITY FLASH MEMORY
08/889553 5936274	July 8, 1997	303.342US1	HIGH DENSITY FLASH MEMORY
09/137328 6143636	August 20, 1998	303.342US2	HIGH DENSITY FLASH MEMORY

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 09/866,938

Filing Date: May 29, 2001

Title: ULTRA HIGH DENSITY FLASH MEMORY

Page 3

Dkt: 303.330US3

---

08/939742 6066869	October 6, 1997	303.379US1	CIRCUIT AND METHOD FOR A FOLDED BIT LINE MEMORY CELL WITH VERTICAL TRANSISTOR AND TRENCH CAPACITOR
09/551027 6764901	April 17, 2000	303.379US2	CIRCUIT AND METHOD FOR A FOLDED BIT LINE MEMORY CELL WITH VERTICAL TRANSISTOR AND TRENCH CAPACITOR
08/944890 6528837	October 6, 1997	303.380US1	CIRCUIT AND METHOD FOR AN OPEN BIT LINE MEMORY CELL WITH A VERTICAL TRANSISTOR AND TRENCH PLATE TRENCH CAPACITOR
09/143606 6156604	August 31, 1998	303.380US2	METHOD FOR MAKING AN OPEN BIT LINE MEMORY CELL WITH A VERTICAL TRANSISTOR AND TRENCH PLATE TRENCH CAPACITOR
09/730245 6610566	December 5, 2000	303.380US3	CIRCUIT AND METHOD FOR AN OPEN BIT LINE MEMORY CELL WITH A VERTICAL TRANSISTOR AND TRENCH PLATE TRENCH CAPACITOR
09/010729 6025225	January 22, 1998	303.389US1	CIRCUITS WITH A TRENCH CAPACITOR HAVING MICRO- ROUGHENED SEMICONDUCTOR SURFACES AND METHODS FOR FORMING THE SAME
09/467992	December 20, 1999	303.389US2	CIRCUITS WITH A TRENCH CAPACITOR HAVING MICRO- ROUGHENED SEMICONDUCTOR SURFACES
08/944312 5914511	October 6, 1997	303.391US1	CIRCUIT AND METHOD FOR A FOLDED BIT LINE MEMORY USING TRENCH PLATE CAPACITOR CELLS WITH BODY BIAS CONTACTS

09/138796 6156607	August 24, 1998	303.391US2	METHOD FOR A FOLDED BIT LINE MEMORY USING TRENCH PLATE CAPACITOR CELLS WITH BODY BIAS CONTACTS
08/939732 5907170	October 6, 1997	303.393US1	CIRCUIT AND METHOD FOR AN OPEN BIT LINE MEMORY CELL WITH A VERTICAL TRANSISTOR AND TRENCH PLATE TRENCH CAPACITOR
09/138794 6165836	August 24, 1998	303.393US2	CIRCUIT AND METHOD FOR AN OPEN BIT LINE MEMORY CELL WITH A VERTICAL TRANSISTOR AND TRENCH PLATE TRENCH CAPACITOR
09/742568 6537871	December 20, 2000	303.393US3	CIRCUIT AND METHOD FOR AN OPEN BIT LINE MEMORY CELL WITH A VERTICAL TRANSISTOR AND TRENCH PLATE TRENCH CAPACITOR
09/028249 5963469	February 24, 1998	303.399US1	VERTICAL BIPOLAR READ ACCESS FOR LOW VOLTAGE MEMORY CELL
09/328074 6317357	June 8, 1999	303.399US2	VERTICAL BIPOLAR READ ACCESS FOR LOW VOLTAGE MEMORY CELL
09/031621 5991225	February 27, 1998	303.405US1	PROGRAMMABLE MEMORY ADDRESS DECODE ARRAY WITH VERTICAL TRANSISTORS
09/313049 6153468	May 17, 1999	303.405US2	PROGRAMMABLE MEMORY ADDRESS DECODE ARRAYS WITH VERTICAL TRANSISTOR
09/669281 6597037	September 26, 2000	303.405US3	PROGRAMMABLE MEMORY ADDRESS DECODE ARRAYS WITH VERTICAL TRANSISTOR
09/032617 6124729	February 27, 1998	303.406US1	FIELD PROGRAMMABLE LOGIC ARRAYS WITH VERTICAL TRANSISTORS

**COMMUNICATION CONCERNING RELATED APPLICATIONS**

Serial Number: 09/866,938

Filing Date: May 29, 2001

Title: ULTRA HIGH DENSITY FLASH MEMORY

---

Page 5

Dkt: 303.330US3

09/520494 6486027	March 8, 2000	303.406US2	FIELD PROGRAMMABLE LOGIC ARRAYS WITH VERTICAL TRANSISTORS
09/129047 6208164	August 4, 1998	303.407US1	PROGRAMMABLE LOGIC ARRAY WITH VERTICAL TRANSISTORS
09/756089 6515510	January 8, 2001	303.407US2	PROGRAMMABLE LOGIC ARRAY WITH VERTICAL TRANSISTORS
09/756099 6486703	January 8, 2001	303.407US3	PROGRAMMABLE LOGIC ARRAY WITH VERTICAL TRANSISTORS
09/128848 6134175	August 4, 1998	303.408US1	MEMORY ADDRESS DECODE ARRAY WITH VERTICAL TRANSISTORS
09/650600 6498065	August 30, 2000	303.408US2	MEMORY ADDRESS DECODE ARRAY WITH VERTICAL TRANSISTORS
09/028805 6242775	February 24, 1998	303.410US1	CIRCUITS AND METHODS USING VERTICAL, COMPLEMENTARY TRANSISTORS
09/514493 6294418	February 29, 2000	303.410US2	CIRCUITS AND METHODS USING VERTICAL, COMPLEMENTARY TRANSISTORS
09/028807 6246083	February 24, 1998	303.412US1	VERTICAL GAIN CELL AND ARRAY FOR A DYNAMIC RANDOM ACCESS MEMORY AND METHOD FOR FORMING THE SAME
09/879592 6756622	June 12, 2001	303.412US2	VERTICAL GAIN CELL AND ARRAY FOR A DYNAMIC RANDOM ACCESS MEMORY AND METHOD FOR FORMING THE SAME

**COMMUNICATION CONCERNING RELATED APPLICATIONS**

Serial Number: 09/866,938

Filing Date: May 29, 2001

Title: ULTRA HIGH DENSITY FLASH MEMORY

Page 6

Dkt: 303.330US3

---

09/879602 6680864	June 12, 2001	303.412US3	VERTICAL GAIN CELL AND ARRAY FOR A DYNAMIC RANDOM ACCESS MEMORY AND METHOD FOR FORMING THE SAME
09/028727 6304483	February 24, 1998	303.462US1	CIRCUITS AND METHODS FOR A STATIC RANDOM ACCESS MEMORY USING VERTICAL TRANSISTORS
09/060048 6043527	April 14, 1998	303.464US1	CIRCUITS AND METHODS FOR A MEMORY CELL WITH A TRENCH PLATE TRENCH CAPACITOR AND A VERTICAL BIPOLAR READ DEVICE
09/498433 6381168	February 4, 2000	303.464US2	CIRCUITS AND METHODS FOR A MEMORY CELL WITH A TRENCH PLATE TRENCH CAPACITOR AND A VERTICAL BIPOLAR READ DEVICE
10/361986	February 11, 2003	303.380US4	CIRCUIT AND METHOD FOR AN OPEN BIT LINE MEMORY CELL WITH A VERTICAL TRANSISTOR AND TRENCH PLATE TRENCH CAPACITOR
10/738449	December 16, 2003	303.412US4	VERTICAL GAIN CELL AND ARRAY FOR A DYNAMIC RANDOM ACCESS MEMORY AND METHOD FOR FORMING THE SAME
10/879378	June 29, 2004	303.379US3	CIRCUIT AND METHOD FOR A FOLDED BIT LINE MEMORY CELL WITH VERTICAL TRANSISTOR AND TRENCH CAPACITOR

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 09/866,938

Filing Date: May 29, 2001

Title: ULTRA HIGH DENSITY FLASH MEMORY

Page 7

Dkt: 303.330US3

Respectfully submitted,

WENDELL P. NOBLE JR. ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

Minneapolis, MN 55402

(612) 373-6904

Date Aug. 13, 2004 By Daniel J. Kluth  
Daniel J. Kluth  
Reg. No. 32,146

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 13th day of August, 2004.

Name Amy Moriarty

Signature [Signature]